



8th NOAA TBPG Workshop

Kansas City, MO

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Roundup Presentation

Aviation Weather Testbed

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FY16 Highlights

Aviation Weather Testbed

- **Conducted proof of concept ceiling and visibility gridded data exchange between AWC and simulated WFO at Operations Proving Ground (RL6)**
 - WFOs need different information in grids than AWC yet must maintain forecast consistency.
 - WFOs need TEMPO and PROB information
 - AWC needs cloud layer and tops



FY16 Highlights

Aviation Weather Testbed

- **Completed development of Graphical Forecasts for Aviation (RL8 → RL7 → RL8)**
 - Even though we thought development was complete we needed to provide additional output as part of approval assessment with user groups (i.e., FAA safety risk management process)



FY16 Transition Metrics

Aviation Weather Testbed

Major Tests Conducted	Transitioned to Operations (RL9)	Recommended for Transition to Operations (RL9)	Advanced To Experimental Testing (RL8)	Further Demonstration/ Development (RL 5-7)	Rejected For Further Testing
GTG3 running on WCOSS	X				
Auto CCFP v2	X				
Auto CCFP v3 (LAMP-HRRR Meld edition)				X	
Ellrod and Ellrod-Knox Turbulence Indices on AWIPS D2D	X				
Graphical Forecasts for Aviation		X			
Ceiling and Visibility for NWS Digital Aviation Services				X	
GFS Icing Severity to NCEP Post Processing		X			



FY16 Transition Metrics

Aviation Weather Testbed

Major Tests Conducted	Transitioned to Operations (RL9)	Recommended for Transition to Operations (RL9)	Advanced To Experimental Testing (RL8)	Further Demonstration/ Development (RL 5-7)	Rejected For Further Testing
NCAR EPOCH (v2016)				X	
Non-convective Collaborative Aviation Weather Statement					X
NASA Global Icing				X	
GSD Hazard Services: Convective SIGMET				X	
Graphical Forecasts for Aviation		X			



Top FY17 Highlights

Aviation Weather Testbed

- **Graphical Forecasts for Aviation moved into operations (RL9)**
 - www.aviationweather.gov/gfa
- **Traffic Flow Management Convective Forecast (TCF) moved from RL4 → RL9 in two months**
 - Collaborative forecast uses Auto CCFP v2 as baseline.
- **GOES-16 data flowing from antenna to operations (RL6)**



Questions

Aviation Weather Testbed

- **Additional Information**

- **Bruce.Entwistle@noaa.gov**
- www.aviationweather.gov/gfa
- www.aviationweather.gov/tcf
- testbed.aviatonweather.gov